

Title (en)

MAGNETIC FIELD SENSOR HAVING MAGNETO-OPTIC ELEMENT

Publication

**EP 0208476 B1 19930120 (EN)**

Application

**EP 86304959 A 19860626**

Priority

- JP 14373285 A 19850629
- JP 16894485 A 19850731
- JP 26694885 A 19851127

Abstract (en)

[origin: EP0208476A2] A magnetic field sensor is described which comprises a light source part (11), a magnetic field detection part which contains a magneto-optic element (13) and a light measurement part (15) which measures the light that has been radiated from the light source part (11) and has passed through the magnetic field detection part (15), and is characterised in that the magneto-optic element (13) is arranged such that its easy axis of magnetization is substantially at right angles to the direction of the magnetic field to be measured (16). The sensor can measure a wide range of magnetic fields with a high degree of accuracy and high sensitivity.

IPC 1-7

**G01R 33/032**

IPC 8 full level

**G01R 33/032** (2006.01); **G02F 1/09** (2006.01)

CPC (source: EP US)

**G01R 33/0322** (2013.01 - EP US)

Cited by

EP0565085A3; EP0573007A3; US5463316A; EP0501726A3; US5281912A; EP1806755A1; EP0510621A3; CN104360152A; DE4027049A1; EP0353057A3; US4984875A; EP0604721A3; US7695562B2; US7758766B2; US7811465B2; US7828895B2; US8815011B2; EP0415668B1; US8142676B2

Designated contracting state (EPC)

BE CH DE LI

DOCDB simple family (publication)

**EP 0208476 A2 19870114; EP 0208476 A3 19870819; EP 0208476 B1 19930120**; DE 3687548 D1 19930304; DE 3687548 T2 19930519; JP H0766044 B2 19950719; JP S62188982 A 19870818; US 4896103 A 19900123

DOCDB simple family (application)

**EP 86304959 A 19860626**; DE 3687548 T 19860626; JP 8940786 A 19860418; US 18330288 A 19880411